# 10 in 1 Service Interval and Airbag Reset

## OPERATION MANUAL

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## 1.0 SAFETY PRECAUTIONS:

Engines produce carbon monoxide gas which is odorless, has a slower reaction time and this can lead to serious injury or even death. When the engine is operating, keep the service areas WELL VENTILATED or attach the vehicle exhaust outlet to the shop exhaust removal system.

Set the parking brake and chock the wheels before testing or repairing the vehicle. It is especially important to chock the wheels on front-wheel drive vehicles as their parking brakes do not sufficiently hold wheels.

When disconnecting the Service Light Reset Tool from the vehicle, ensure the ignition is switched “OFF” first.

If power is needed to connect to the battery posts, make sure the RED clip is to the positive (+) side and the BLACK clip is to the negative (-) side. **NEVER REVERSE THE POLARITY.**

This unit is an electronic device, never hit or drop it while in use.

When attaching the connector to the vehicle Data Link Connector (DLC), do not use excessive force. Connect it firmly.

Different vehicle makes have different ways of supplying power to the unit. Some diagnostic connectors are self-powered and some are not.

## 2.0 INTRODUCTION:

This **Master Service Interval Reset Tool** is an up-to-date mechanic's tool for resetting of oil service light, service warning light, service mileage, service intervals and airbag on European made vehicles: AUDI, BMW, CITROEN, MERCEDES BENZ, MINI, SAAB, SEAT, SKODA, VOLKSWAGEN, VOLVO, etc.
It is light, compact and very convenient without using the OEM Scanner to do the job. Once hooked up to the vehicle Data Link Connector (DLC), it can perform the following functions:

- Ø Reset of Oil Service Light
- Ø Reset of Service Warning Light
- Ø Setting of Oil Service Mileage
- Ø Setting of Service Mileage Interval
- Ø Setting of 1st Inspection Service Interval
- Ø Setting of 2nd Inspection Service Interval
- Ø Distinguish of Airbag Warning Light.

## 3.0 CONTROLS AND INDICATORS:

1. **LCD** screen
   Display of text during operation.

2. p **Key**
   This key is to scroll up the page.

3. **OK Key**
   This key is to confirm the selected function and will enter when pressed.

4. q **Key**
   This key is to scroll down page.

5. **ESC Key**
   When this key is pressed, it will exit and return to the previous function.

6. **Snap on** connector for quick connection.

7. **OBDII connector** for Mercedes Benz.

## 4.0 Car Coverage (up to year 2005) and Function:

**AUDI (1991 Above)**

| Model | Function |
|---|---|
| **A3**<br>**A4**<br>**A6**<br>**A8**<br>**A100** | • Reset Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service Interval<br>• Reset Airbag |
| **TT** | • Reset Oil Service Light<br>• Reset Airbag |
| **Other Models** | • Auto Detect |

**BMW (1998 Above)**

| Model | Function |
|---|---|
| **3 Series E36**<br>**7 Series E38**<br>**5 Series E39** | • Reset Oil Service Light<br>• Set Inspection Mileage |
| **3 Series E46 (OBDII)** | • Reset Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service Interval<br>• Reset Airbag |
| **Other Models**<br>**Type 1**<br>**Type 2** | • Reset Oil Service Light<br>• Set Inspection Mileage |

**CITROEN**

| Model | Function |
|---|---|
| **Saxo**<br>**Xantia**<br>**Xsara** | • Reset Airbag |

**MERCEDES BENZ (1996 Above)**

| Model | Function |
|---|---|
| **A Class**<br>**C Class**<br>**E Class**<br>**CLK Class** | • Reset Oil Service Light<br>• Reset Airbag |
| **E Class > 99**<br>**E Class (OBDII)**<br>**M Class**<br>**S Class** | • Reset Airbag |
| **Other Models** | • Reset Oil Service Light |

**MINI**

| Model | Function |
|---|---|
| **Mini** | • Reset Airbag |

**SAAB**

| Model | Function |
|---|---|
| **Saab 900** | • Reset Airbag |

**SEAT**

| Model | Function |
|---|---|
| **Alhambra**<br>**Alhambra >98** | • Reset Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service Interval<br>• Reset Airbag |
| **Arosa**<br>**Leon**<br>**Toledo** | • Reset Oil Service Light<br>• Reset Airbag |

**SKODA**

| Model | Function |
|---|---|
| **Fabia**<br>**Octavia**<br>**Octavia >98** | • Reset Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service interval<br>• Reset Airbag |

**VOLKSWAGEN (1991 Above)**

| Model | Function |
|---|---|
| **Golf 3, Golf 4**<br>**New Beetle**<br>**Passat B5, Passat >97**<br>**Polo >98**<br>**Sharan**<br>**Lupo** | • Reset Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service Interval<br>• Reset Airbag |
| **Sharan >98** | • Rest Oil Inspection Light<br>• Set Inspection 1 Service Interval<br>• Set Inspection 2 Service Interval |
| **Other Models** | • Auto Detect |

**VOLVO (1992 Above)**

| Model | Function |
|---|---|
| **V 40**<br>**V 70**<br>**850**<br>**850 TDI** | • Reset Oil Service Light<br>• Reset Airbag |
| **Other Models**<br>**Type 1**<br>**Type 2** | • A/B Connector (Auto Detect)<br>• OBD2 Connector (Auto Detect) |

**5.0 OPERATION**

This Service Light and Airbag Reset tool is powered up directly through the vehicle Data Link Connector (DLC) except Volvo (A/B connectors) which needed an external 12V DC source.

Once connected to the vehicle DLC and the ignition switched to “ON” position, the LCD screen will display:

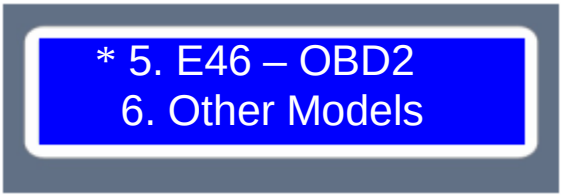
ê Will change after a few seconds to:

Select the vehicle you need to work with by pressing the scroll up p button or scroll down q button to select the vehicle Manufacturer. The asterisk appears next to the number is an indication that it will be selected when **OK** button is pressed.
**For example:**

If the vehicle you wish to select is **BMW,** model **E46 – OBD2** Pressing q button until the display shown with an asterisk next to its name as shown:

Then press **OK** button, the display will show:

Press q button until the asterisk display at **E46 – OBD2** as shown below:




Pressing **OK** button will change the display to:

Then press q button again to select the displayed item you want and confirmed with **OK** button.

Once confirmed with **OK** button, the RESET Tool will communicate with the vehicle ECU automatically as shown below:

If the communication gets through, the unit will perform reset function automatically. The display will show as below if it had succeeded.

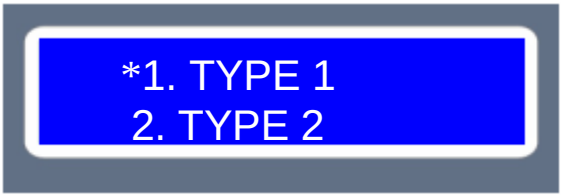
If the communication or the RESET function failed, the display will show as below.

Then you need to check the cable and the connector for good contact and also whether the ignition switch is turned “ON”. After checking and the problem rectified, press **ESC** button to exit and perform RESET function again.

**6. OTHER LCD SCREEN DISPLAYS:**

Depending on the vehicle Manufacturer and model, the resetting procedures will be guided by the LCD displays. The explanations of the displays are as follows:

This display will show if the vehicle Manufacturer you have selected has “Other Models” in its menu and it will display when the particular car model you have selected failed to perform RESET. This message will prompt you when you press **ECS** button to exit.




The above display will show when “**Other Models**” has been selected to perform resetting procedures in **BMW** and **Volvo** menus. This menu (**TYPE 1 / TYPE 2**) is used on car models not listed in the car model menu.
Select **TYPE 1** to perform the RESET procedure first failing which then only select **TYPE 2.**

For **BMW and VOLVO**, always observe the Oil Service Light or Service Inspection Light when the resetting operation finishes and the display shows “**RESET OK!**”

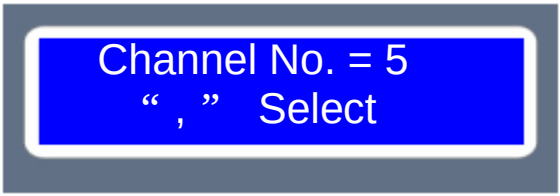
**The warning light on the instrument panel should goes OFF and the Service mileage (KM) will be set automatically if succeeded.**

If the Oil Service Light or Service Inspection Light failed to go OFF or reset even though display shown “RESET OK!”, then in this case change to the next selection (**TYPE 2**) and perform the RESET procedure again to clear and reset the warning light.

The reason for failure to clear the warning light or reset the service mileage at the first instant is that the Reset Tool did not get the

feedback from the ECU whether the operation is successful or not. It just sent instructions to the ECU to reset and once finished the display will display "**RESET OK!**" without acknowledgement from ECU. Therefore the selection of **TYPE 1** and **TYPE 2** are used in case the reset of warning light and the service mileage do not response as both (TYPE 1 and TYPE 2) send different instructions.

For **AUDI, VOLKSWAGEN** vehicles, once the communication has established the display will show as below:




The channel number selection is meant for selecting type of reset operation you want as given from the chart below:

**AUDI**

| Model | Channel Nr. | Reset Description |
|---|---|---|
| A4 > 94<br>A6 / C4 > 98 | 5 | Oil Service: 15000 KM |
| | 6 | INSP - KM Service: 30000KM |
| | 7 | INSP1- Time Service:360 days |
| | 8 | INSP2- Time Service: 720 days |
| A3 > 96<br>A6/C5 > 97<br>A8 | 15 | Oil Service: 15000 KM |
| | 6 | INSP-KM Service: 30000KM |
| | 7 | INSP-Time Service: 360 days |

**VOLKSWAGEN**

| Model | Channel Nr. | Reset Description |
|---|---|---|
| Passat (B5) > 97 | 11 | INSP-KM Service: 30000KM |
| Polo > 97 | 10 | Oil Service: 15000KM |

Press p or q button to increase or decrease the channel number and then press **OK** button to confirm.

Operation Example:

Once **channel 5** has been selected and confirmed, the screen displays as follow:

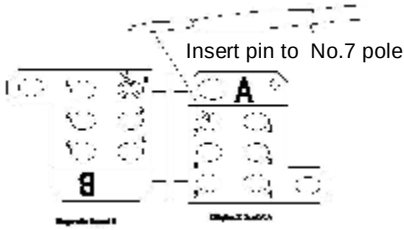
Press **OK** button again will change the display to:

To input the next oil service mileage, press p or q button, the screen will display the set mileage and confirm with **OK** button. The next screen display as follows:

After awhile, the screen displays:

## 7.0 DATA LINK CONNECTOR (DLC) LOCATION:

### VOLVO



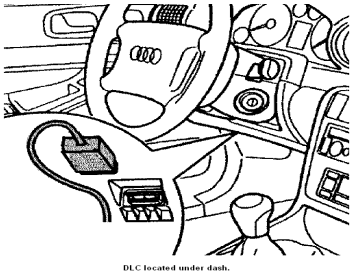

**A/B Connector**

This DLC is located at the left side or the engine compartment, beside the absorber mounting. To connect the VOLVO adapter, insert the banana plug into the No.7 pole of the DLC socket A.

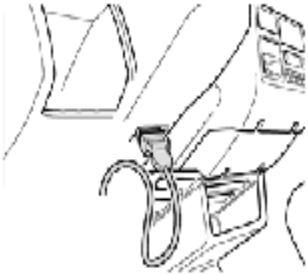
Then clip the RED crocodile clip to the battery positive (+) terminal and the BLACK crocodile clip to the battery negative (-) terminal. **NEVER REVERSE THE POLARITY.**

### AUDI, VOLKSWAGEN

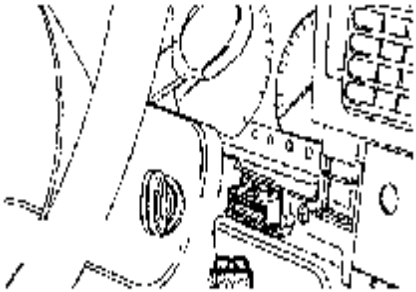
DLC located between front seats near parking brake under rubber cover.

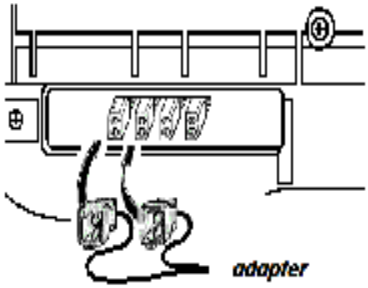


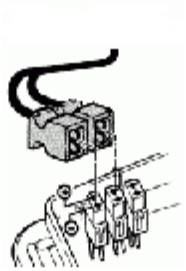

**DLC under Dash Board**



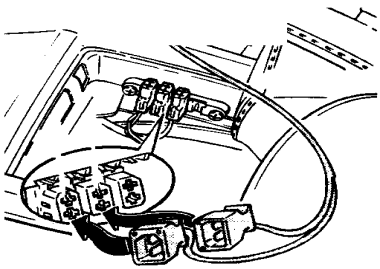
DLC located under steering column.





DLC located in fuse box under hood near firewall.



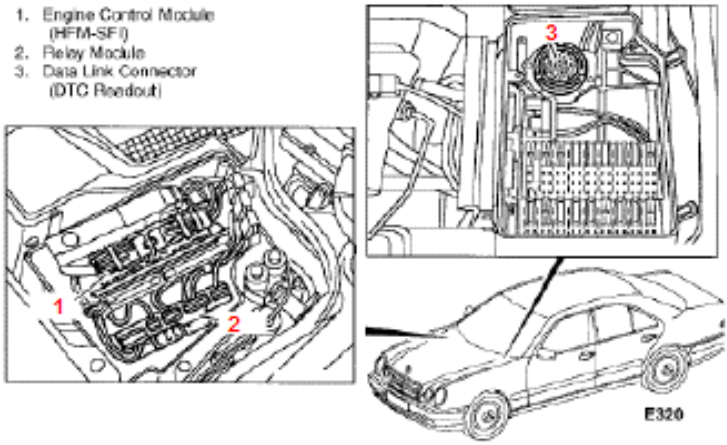
DLC located under the shiftboot in the center console.

**BMW**

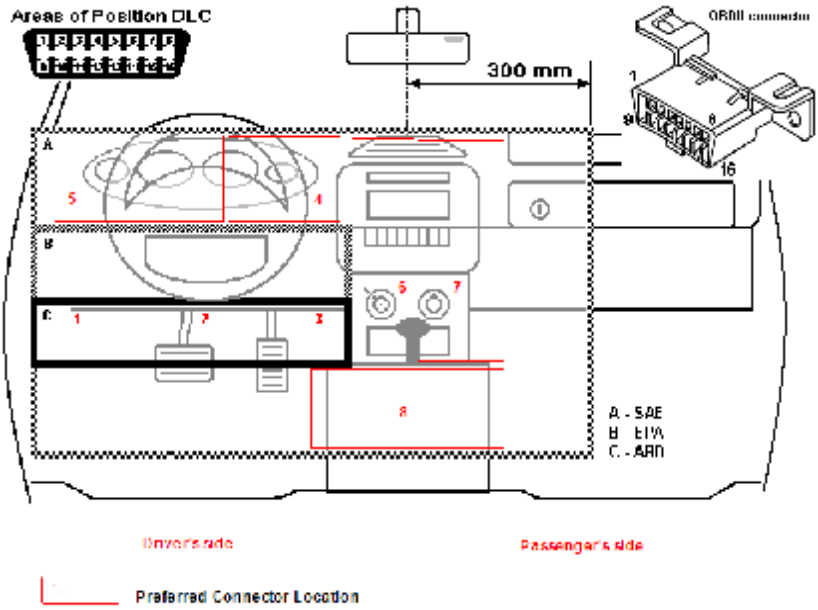
**20 Pins DLC located at the Engine compartment**

**16 Pins (OBDII) DLC under dashboard beside the steering**

**MERCEDES BENZ**



## 8. OBDII (16 Pins) DLC Location Mappings:




**Explanation of Diagram Numbered Locations**

| *Location #* | *Description* |
|---|---|
| 1 | Driver's side, underneath dasboard, in the area under the steering column, +/- 150 mm (i.e., +/- 6 inches on either side of the steering column) |
| 2 | Driver's side, underneath dasboard,between the driver-side door and steering column area |
| 3 | Driver's side, underneath dasboard, between the steering column area and the center console (also includes connectors on the driver side but connected to the center console) |
| 4 | Driver's side, dashboard instrument/gauge area, between the steering column and center console |
| 5 | Driver's side, dashboard instrument/gauge area, between the driver-side door and steering column |
| 6 | Center console, vertical surface (i.e.,near radio and climate controls), left of vehicle centerline |
| 6/7 | Center console, vertical surface (i.e.,near radio and climate controls), on vehicle centerline |
| 7 | Center console, vertical surface right of vehicle centerline or on passenger side of center console |
| 8 | Center console, horizontal surface (i.e, armrest, handbrake area), in front passenger area |
| 9 | Any location other than locations # 1-8 (i.e., rear passenger area, passenger side glove box, topof dashboard near windshield) |

*__Note:__
- Locations #1-3 represent preferable locations, Locations #4-8 represent allowable locations under SAE J1962
- Connectors in location # 6, #6/7, and #7 may be covered by ashtrays, covers, cup holders, coin holders, etc.

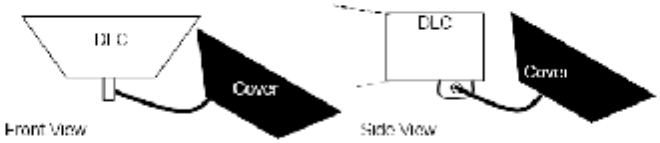
# Diagnostic Link Connector (DLC) Diagram

**Cover Types**

Some manufacturers use covers to protect the integrity of the connector pins and/or to prevent impact with vehicle passengers in an accident. The following diagrams provide an example of some of the covers that manufacturers have used. This does not include ashtrays, coin holders, cup holders, the dashboard itself, or other similar items used to conceal the connector.

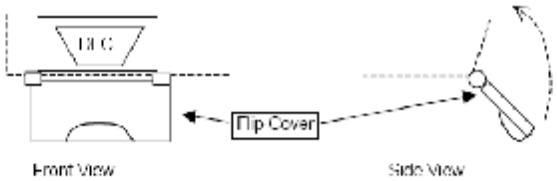
*Protective Cover*
- small, soft-plastic cover used to enclose DLC pins; may or may not have embossed "OBD" or "OBD II"

**ex.**



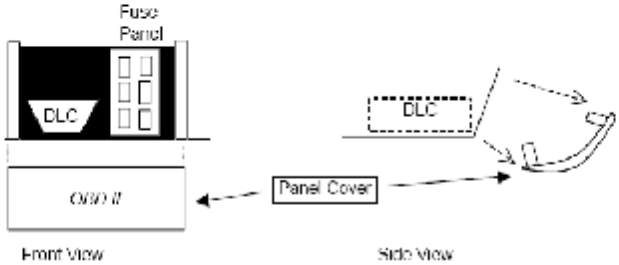

*Flip Cover*
small, hinged hard plastic cover; typically has an indentation or tab to help 'flip' it open

**ex.**




*Fuse Panel or Panel Cover*
Large, hard plastic cover that is color keyed to the dashboard; may or may not have embossed "OBD" or OBD II, or a label

**ex.**



**AUDI**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| A4<br>A8<br>TT<br>S4 | 96 ~ 00 | 2 - open | |
| A6<br>Cabriolet | 96,97 | 9 - cover | Behind ashtray |
| A3<br>A8 (EU) | 2000 ~ | 8 - cover | Behind ashtray |
| A4 (EU) | 2000 ~ | 9 - cover | Behind ashtray |
| A6 (EU) | 2000 ~ | 2 - open | |

**BMW**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| 3 Series<br>5 Series<br>8 Series<br>X5 Series | 96 ~ 00 | 2 - cover | |
| 7 Series | 96 ~ 00 | 6 - cover | Near radio |
| Z3 Series | 96 ~ 00 | 7 - cover | Under dash |

**MERCEDES BENZ**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| Most models | 96 ~ 00 | 2 - cover | |
| Some models | 2000 ~ | 1 - open | |

**SAAB**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| Saab 900<br>Saab 9000<br>Saab 9-3 | 96 ~ 00 | 1 - cover | |
| Saab 9-5 | 99 ~ 00 | 3 – cover | |

**SEAT**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| Alhambra | 98 ~ | 7 - cover | |
| Arosa | 99 ~ | 6 - cover | |
| Leon<br>Toledo | 99 ~ | 1 - cover | |

**SKODA**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| Fabia | 98 ~ | 6 - cover | |
| Octavia | 98 ~ | 1 - cover | |
| | | | |

**VOLVO**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| S40<br>V40 | 2000 ~ | 6 - cover | |
| C70<br>S70<br>V70 | 2000 ~ | 8 - cover | |
| S80 | 2000 ~ | 2 - cover | |
| Other Models | 96 ~ 99 | 9 - cover | Near parking brakes |

**VOLKSWAGEN**

| Model | Year | Connector Location | Remarks |
|---|---|---|---|
| Cabrio<br>Golf<br>Jetta | 96 ~ 99 | 7 - cover | |
| EuroVan<br>Passat | 96 ~ 99 | 4 - cover | |
| New Beetle<br>New Cabrio<br>New Golf<br>New Jetta<br>New Passat | 98 ~ 00 | 2 - open | |
| Golf IV (EU) | 2000 ~ | 8 - cover | |

## DISCLAIMER

All information, illustrations, and specifications contained in this user manual are based on the latest information available at the time of printing. The right is reserved to make any changes at any time without obligation to notify any person or organization of such revisions or changes.

Furthermore, the manufacturer or its sales agents are not liable for errors contained herein or for incidental or consequential damages (including lost profits) in connection with the furnishing, performance or use of this material.

This user manual tells how to use the Service Light Reset Tool to perform the required procedures on vehicles. Safe and effective use of this tool is very much dependant on the user following the normal practices and procedures outline in this manuals.

## Limited Warranty

This limited warranty cover defects in materials and workmanship for a period of six (6) months which begins from the date the product is purchased by the end user and is subjected to the following terms and conditions:

1. Within the warranty period, the manufacturer will repair or replace, at their options, any defective parts and return to the owner in good working condition.

2. Any repaired or replaced parts will be warranted for the balance of the original warranty or three months (3) months from the date of repair, whichever is longer.

3. This warranty only extends to the first owner and not assignable or transferable to any subsequent owner.

4. Cost of delivery charges incurred for the repair of the product to and from the manufacturer will be borne by the owner.

5. This limited warranty covers only those defects that arises as a result of normal use and does not cover those that arises as a result of:

    - Unauthorized modifications and repair.
    - Improper operation or misuse.
    - Accident or neglect such as dropping the unit onto hard surfaces.
    - Contact with water, rain or extreme humidity.
    - Contact with extreme heat.
    - Cables that have broken, bent contact pins or subject to extreme stress or wear.

- Physical damage to the product surface including scratches, cracks or other damage to the display screen or other externally exposed parts.

## Limitations of Warranty

Other than the foregoing limited warranty, the manufacturer does not make any other warranty or condition of any kind, whether express or implied.

Any implied warranty of merchantability, or fitness for use shall be limited to the duration of the foregoing limited warranty.

Otherwise, the foregoing limited warranty is the owner's sole and exclusive remedy and is in lieu of all other warranties whether express or implied.

The manufacturer or any of its exclusive sales agents shall not be liable for any consequential or incidental damages or losses arising of the loss of uses of this product.

All warranty information, product features and specifications are subjected to change without prior notice.